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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/790,333	03/01/2004	Susan D. Woolf	MSFT121728	9006
26389 7590 10/31/2007 CHRISTENSEN, O'CONNOR, JOHNSON, KINDNESS, PLLC 1420 FIFTH AVENUE SUITE 2800 SEATTLE, WA 98101-2347			EXAMINER JEAN GILLES, JUDE	
			ART UNIT 2143	PAPER NUMBER
			MAIL DATE 10/31/2007	DELIVERY MODE PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	Application No.	Applicant(s)	
	10/790,333	WOOLF ET AL.	
	Examiner	Art Unit	
	Jude J. Jean-Gilles	2143	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 01 March 2004.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-29 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-29 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 01 March 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)            | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | Paper No(s)/Mail Date. _____                                      |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>08/19/2005</u>  | 6) <input type="checkbox"/> Other: _____                          |

## DETAILED ACTION

This office action is responsive to communication filed on 03/01/2004.

### ***Information Disclosure Statement***

1. The references listed on the Information Disclosure Statement submitted on 08/19/2005, has been considered by the examiner (see attached PTO-1449A).

### ***Minor informalities***

2. **Claim 6**, line 10, recites that phrase "*automatically configures the itself according to the configuration information*". To advance prosecution of the claim, examiner assumes this is a typo and the claim is examined with the phrase "*automatically configures itself according to the configuration information*". Proper correction is required.

### ***Claim Rejections - 35 USC § 102***

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. **Claims 1-10, 12-16, and 18-22** are rejected under 35 U.S.C. 102(e) as being unpatentable by Moyer et al (hereinafter Moyer) U.S. Pub. No. 2003/0135596 A1.

**Regarding claims 1-10, 12-16, and 18-22**, Moyer discloses:

1. A networked computing environment for providing network services to computing devices (*fig. 2*), the networked computing environment comprising:

a communication network operable to communicate with a plurality of computing devices (*fig. 2, items 100, 104-112, 200-208, and 220; the list of communication devices 104-112 are connected to the customer premise network 100*); and

configuration information associated with the communication network (*see lines 18-22 of par. 0018, specifically the network configuration directory 208 contains network settings information*), the configuration information describing a configuration for computing devices connected to the communication network (*see fig. 2; par. 0019, devices 104-112 are connected the network 100, and that configuration generated comprises device-configuration settings*);

wherein the communication network, upon the computing device dynamically establishing a network connection to the communication network, provides at least some configuration information to the computing device, such that the computing may automatically configure itself according to the configuration information (*par. 0027-0029; note that the configuration is automatically initiated and that upon detecting the new network service, a request is dynamically placed to the server to configure the customer premise network, thereby configuring the device requesting the service*).

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2. The networked computing environment of claim 1, wherein the configuration information includes information identifying computing device features that should be accessible or available while connected to the communication network (*par. 0018; a list of available services is maintained and features from the requested service are forwarded to network 100 so the requesting device can be configured*).

3. The networked computing environment of claim 2, wherein the configuration information further includes information identifying computing device features that should not be accessible or available while connected to the communication network (*par. 0024; see the role of the service configuration validator in access the database and analyzing the device template of each device on the customer network, identifying features that should or should not be available for each device*).

4. The networked computing environment of claim 3, wherein the configuration information further includes information indicating whether computing device features not specifically identified in the configuration information and that are otherwise available on the computing device should or should not be accessible or available while connected to the communication network (*par. 0024, and 0025; it is important to realize that the case of the user requesting the service already having the an application corresponding to the requested service or is detected and dealt with using the network probes*).

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5. The networked computing environment of claim 4, wherein the computing device features may include any one of software applications, hardware devices, system services and network services (*par. 0025; the requested service can be an application, or a port, or the like*).

6. A computing system that automatically configures according to a detected network (*fig. 3*), the computing system comprising:

a processor (*see fig. 3; adaptor module 214 performs the actual configurations of the network devices*);

a memory (*fig. 3, items 202, 204, and 206, entries for users, services and configuration templates are kept in these database memory holders*); and

a network interface for connecting to a communication network (*fig. 2, item 104*); wherein the computing system, upon dynamically establishing a connection to a communication network:

obtains configuration information associated with the communication network (*see lines 18-22 of par. 0018, specifically the network configuration directory 208 contains network settings information*); and

automatically configures [the] itself according to the configuration information (*par. 0027-0029; note that the configuration is automatically initiated and that upon detecting the new network service, a request is dynamically placed to the server to configure the customer premise network, thereby configuring the device requesting the service*).

7. The computing system of claim 6, wherein the configuration information includes information identifying computing system features that should be available while the computing system is connected to the communication network (*par. 0018; a list of available services is maintained and features from the requested service is forwarded to network 100 so the requesting device can be configured*).

8. The computing system of claim 7, wherein the configuration information further includes information identifying computing system features that should not be available while the computing system is connected to the communication network (*par. 0024; see the role of the service configuration validator in access the database and analyzing the device template of each device on the customer network, identifying features that should or should not be available for each device*).

9. The computing system of claim 8, wherein the configuration information further includes information indicating whether computing system features not specifically identified in the configuration information should or should not be available while the computing system is connected to the communication network (*par. 0024, and 0025; it is important to realize that the case of the user requesting the service already having the an application corresponding to the requested service or is detected and dealt with using the network probes*).

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10. The computing system of claim 9, wherein the computing system features may include any one of software applications, hardware devices, system services and network services (*par. 0025; the requested service can be an application, or a port*).

12. A method for automatically configuring a computing device according to a detected network (*fig. 3*), the method comprising:

detecting a change to the computing device's current network connection (*par. 0027; the change in the network device's connection is the new service request detected*);

obtaining configuration information corresponding to the computing device's current network connection (*see lines 18-22 of par. 0018, specifically the network configuration directory 208 contains network settings information*); and

automatically configuring the computing device according to configuration information (*par. 0027-0029; note that the configuration is automatically initiated and that upon detecting the new network service, a request is dynamically placed to the server to configure the customer premise network, thereby configuring the device requesting the service*).

13. The method of claim 12, wherein the configuration information includes information identifying computing device features that should be available while the computing device is connected to the communication network, and wherein automatically configuring the computing device according to the configuration information comprises



making available those computing device features that should be available while the computing device is connected to the communication network (*par. 0018; a list of available services is maintained and features from the requested service is forwarded to network 100 so the requesting device can be configured; in par. 0027; note that the configuration is automatically initiated and that upon detecting the new network service, a request is dynamically placed to the server to configure the customer premise network, thereby configuring the device requesting the service*).

14. The method of claim 13, wherein the configuration information further includes information identifying computing device features that should not be available while the computing device is connected to the communication network, and wherein automatically configuring the computing device according to the configuration information further comprises making unavailable those computing device features that should not be available while the computing device is connected to the communication network (*par. 0024; see the role of the service configuration validator in access the database and analyzing the device template of each device on the customer network, identifying features that should or should not be available for each device; in par. 0027; note that the configuration is automatically initiated and that upon detecting the new network service, a request is dynamically placed to the server to configure the customer premise network, thereby configuring the device requesting the service*).

15. The method of claim 14, wherein the configuration information further includes an

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indicator identifying whether computing device features not specifically identified in the configuration information should or should not be available while the computing device is connected to the communication network, and wherein automatically configuring the computing device according to the configuration information further comprises making available or unavailable computing device features not specifically identified in the configuration information according to the indicator while the computing device is connected to the communication network (*par. 0024, and 0025; it is important to realize that the case of the user requesting the service already having the an application corresponding to the requested service or is detected and dealt with using the network probes; also see that in par. 0027, the configuration is automatically initiated and that upon detecting the new network service, a request is dynamically placed to the server to configure the customer premise network, thereby configuring the device requesting the service*).

16. The method of claim 15, wherein the computing device features may include any one of software applications, hardware devices, system services and network services (*par. 0025; the requested service can be an application, or a port*).

18. A computer-readable medium, having computer-readable instructions, which when executed on a computer (*fig. 3*), carry out the method comprising:

detecting a change to the computer's current network connection (*par. 0027; the change in the network device's connection is the new service request detected*);

obtaining configuration information corresponding to the computer's current network connection (*see lines 18-22 of par. 0018, specifically the network configuration directory 208 contains network settings information*); and automatically configuring the computer according to configuration information (*par. 0027-0029; note that the configuration is automatically initiated and that upon detecting the new network service, a request is dynamically placed to the server to configure the customer premise network, thereby configuring the device requesting the service*).

19. The method of claim 18, wherein the configuration information includes information identifying computer features that should be available while the computer is connected to the communication network, and wherein automatically configuring the computer according to the configuration information comprises making available those computer features that should be available while the computer is connected to the communication network (*par. 0018; a list of available services is maintained and features from the requested service is forwarded to network 100 so the requesting device can be configured; in par. 0027; note that the configuration is automatically initiated and that upon detecting the new network service, a request is dynamically placed to the server to configure the customer premise network, thereby configuring the device requesting the service*).

20. The method of claim 19, wherein the configuration information further includes information identifying computer features that should not be available while the

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computer is connected to the communication network, and wherein automatically configuring the computer according to the configuration information further comprises making unavailable those computer features that should not be available while the computer is connected to the communication network (*par. 0024; see the role of the service configuration validator in access the database and analyzing the device template of each device on the customer network, identifying features that should or should not be available for each device; in par. 0027; note that the configuration is automatically initiated and that upon detecting the new network service, a request is dynamically placed to the server to configure the customer premise network, thereby configuring the device requesting the service*).

21. The method of claim 20, wherein the configuration information further includes an indicator identifying whether computer features not specifically identified in the configuration information should or should not be available while the computer is connected to the communication network, and wherein automatically configuring the computer according to the configuration information further comprises making available or unavailable computer features not specifically identified in the configuration information according to the indicator while the computer is connected to the communication network (*par. 0024, and 0025; it is important to realize that the case of the user requesting the service already having the an application corresponding to the requested service or is detected and dealt with using the network probes; also see that in par. 0027, the configuration is automatically initiated and that upon detecting the new*

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*network service, a request is dynamically placed to the server to configure the customer premise network, thereby configuring the device requesting the service).*

22. The method of claim 21, wherein the computer features may include any one of software applications, hardware devices, system services and network services (*par. 0025; the requested service can be an application, or a port*).

### ***Claim Rejections - 35 USC § 103***

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. **Claims 11, 17, and 23** are rejected under 35 U.S.C. 103(a) as being unpatentable over Moyer, in view of Moran et al (hereinafter Moran), U.S. Pub. No 2003/0163581 A1.

**Regarding claim 11**, Moyer teaches the invention substantially as claimed.

Moyer discloses the computing system for automatic network device configuration of claim 6, but fails to teach the details of "a system wherein the computing system, upon detecting that the computing system is no longer connected to a communication network, the computing system configures itself according to default configuration information".

In an analogous art, Moran shows the technique of managing configuration data traffic associated with a user device on a network. In paragraph 0057, Moran teaches “*After step 140 disconnects the user from the network 1, or when the user logs off, the port of the network device 5 (or wireless network access point 15 or other equivalent network access point) may reconfigure the auto negotiation mechanisms or other bandwidth, data rate or data volume control mechanisms to appropriate default or previously configured settings until a new user logs on*”. In an attempt to facilitate communicating controlled communication data associated with a remote user, allowing reconfiguration of a disconnected network device makes sense.

Given this feature, a person of ordinary skill in the art would have recognized the desirability and advantages of modifying the system shown by Moyer to employ the *features shown* by Moran in order to facilitate the configuration of a remote user device, using default configuration information, thereby advantageously permitting the dynamic allocation of bandwidth (resources or services) to a user, irrespective of the location of the user, upon connecting to the network, according to the profile of the user (see Moran, par. 0062). By this rationale **claim 11** is rejected.

Regarding **claims 17, and 23**: Claims 17, and 23 are similar to claim 11, and are rejected for the same reasons as claim 11. By this rationale **claims 17, and 23** are rejected.

7. **Claims 24, and 26-29** are rejected under 35 U.S.C. 103(a) as being unpatentable over Moyer, in view of Cohen et al (hereinafter Cohen), U.S. Pub. No 2005/0044215 A1.

**Regarding claim 24**, Moyer discloses a method for automatically configuring a computing device according to a detected triggering event (fig. 4), the method comprising:

automatically detecting an occurrence of a triggering event (*par. 0010, and 0027; note the role of the packet Sniffer in monitoring the network traffic for new services, and upon discovering a new service, it invokes a request to the server for configuration; the IP packets detected represent the occurrence of triggering event*);

selecting configuration information for the computing device previously associated with the detected triggering event (*see lines 18-22 of par. 0018, specifically the network configuration directory 208 contains network settings information; also see par. 0028 whereas device-configurations proceeds according to the service request*); and

configuring the computing device according to selected configuration information (*par. 0027-0029*). However, Moyer does not specifically disclose the details of detecting an occurrence of a triggering event.

In an analogous art, Cohen shows a mechanism for automatic import of network configuration. Cohen teaches " *an automation engine that is configured to automatically run network data collection, analysis, and reporting tools. Each tool is designed or modified to enable the parameters required for operating the tool to be*

*read from a settings file. The automation engine is configured to provide the appropriate settings file to each tool to perform a given set of tasks. Tasks can be performed on-demand, on predefined schedules, or upon detection of a triggering event, such as a notification that a device configuration has changed, as reported by many vendor-supplied component management systems" (see Cohen; abstract, par. 0006, and 0022). In an attempt to improve management of vendor supplied components, using automated network data configuration system equipped with event trigger detection can facilitate solving device-related problems associated with changes to the configuration of a network (see Cohen; par. 0003).*

Given this feature, a person of ordinary skill in the art would have recognized the desirability and advantages of modifying the system shown by Moyer to employ the features shown by Cohen in order to facilitate the identification and correction of network problems by providing an automated network configuration system that requires little or no human interaction, thereby presenting a system that is easy to configure and run in a regular basis (see Cohen, par. 0004-0005). By this rationale **claim 24** is rejected.

**Regarding claims 26-29**, the combination Moyer-Cohen teaches:

26. The method of claim 24, wherein the detected triggering event is the occurrence of a particular date (see Cohen; abstract, par. 0006, and 0022 for the detected triggering event and see Moyer; par. 0032 for the occurrence of the particular date of service change; the timer has a timestamp that watches over a service for expiration for each



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*user device, and an obviously event triggers when the date on the time expires).* The same motivation and reason to combine that were utilized for the rejection of claim 24 are also valid for this claim.

27. The method of claim 24, wherein the detected triggering event is the occurrence of a particular day of the week (*see Cohen; abstract, par. 0006, and 0022 for the detected triggering event and see Moyer; par. 0032 for the occurrence of the particular date of service change; the timer has a timestamp that watches over a service for expiration for each user device, and an obviously event triggers when the date on the time expires. Note that a day of the week is inclusive of a timer's timestamp* ). The same motivation and reason to combine that were utilized for the rejection of claim 24 are also valid for this claim.

28. The method of claim 24, wherein the detected triggering event is the occurrence of a particular time of day (*see Cohen; abstract, par. 0006, and 0022 for the detected triggering event and see Moyer; par. 0032 for the occurrence of the particular date of service change; the timer has a timestamp that watches over a service for expiration for each user device, and an obviously event triggers when the date on the time expires. Note that a particular time of the day is inclusive of a timer's timestamp*). The same motivation and reason to combine that were utilized for the rejection of claim 24 are also valid for this claim.

29. The method of claim 24, wherein the detected triggering event is a change in the detected network connection (*see Cohen; par. 0021-0022; note that a detected network change will trigger the automation engine to invoke applications/tools configuration*).

8. **Claim 25** is rejected under 35 U.S.C. 103(a) as being unpatentable over Moyer, and Cohen, further in view of Latvakoski et al (Latvakoski), US Pub. No 2004/0153548 A1.

**Regarding claim 25:** Moyer and Cohen discloses a method for automatically configuring a computing device according to a detected triggering event of claim 24, but fail to specifically disclose the steps of a method, wherein the detected triggering event is the arrival of the computing device in a predetermined geographical area.

In an analogous art, Latvakoski shows a technique for providing configuration parameters to a network device using a triggering mechanism when devices are located in predetermined locations. Latvakoski teaches "*based on the trigger control information and the corresponding registered trigger events and/or conditions, a service configuration or reconfiguration procedure may be activated at predetermined ones or each of the above locations P1 to P8*" (*see Latvakoski; par. 0057, and 0022*). This mechanism is particularly useful when attempting to configure network devices in a distributed system where devices where the device terminal is a moving device terminal (*see Latvakoski, abstract, figs. 1, and 4*).

Given this feature, a person of ordinary skill in the art would have recognized the desirability and advantages of modifying the system shown by Moyer and Cohen to employ the features shown by Latvakoski in order to satisfy the need for providing

network configuration data to a mobile device connected to a distributed network and out of range of a registered operator. Thus the service provided by Latvakoski enables a user-friendly management of services in future mobile Internet systems as specified e.g. in the 3GPP (3rd Generation Partnership Project) standard specifications (see Latvakoski, par. 0058). By this rationale **claim 25** is rejected.

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***Conclusion***

9. **THIS ACTION IS MADE NON-FINAL.** Any inquiry concerning this communication or earlier communications from examiner should be directed to Jude Jean-Gilles whose telephone number is (571) 272-3914. The examiner can normally be reached on Monday-Thursday and every other Friday from 8:00 AM to 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wiley, can be reached on (571) 272-3923. The fax phone number for the organization where this application or proceeding is assigned is 571-273-3201.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571) 272-0800.

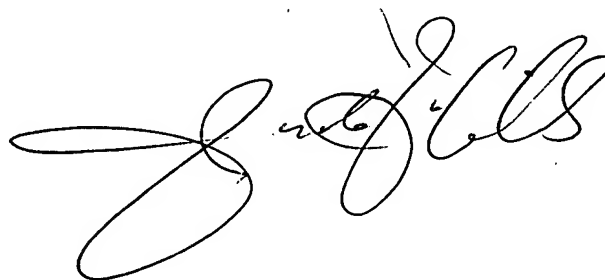
Jude Jean-Gilles

Patent Examiner

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JJG

October 28, 2007

A handwritten signature in black ink, appearing to read 'Jude Jean-Gilles', is written over the typed name and date.